

A woman with curly hair is shown in a meditative pose on a beach, with her eyes closed and hands resting on her knees. The background is a soft-focus view of the ocean and sky. The entire image has a blue color overlay.

# SENSIL®

W A T E R C A R E

# RESPONSIBLE

New sustainable Sensil® WaterCare is infused with natural coloring agents during the extrusion stage. That means that resource-intensive fabric or garment dyeing can be completely eliminated from the downstream finishing process resulting in significant water and energy savings.

Eliminating this finishing process saves 100% of the water used in dyeing, up to 24,000 liters per ton of fabric. Energy consumption and chemical use also decline significantly. Also, eliminating the dyeing process reduces water treatment requirements and the risk of pollution to rivers, lakes, oceans and water reservoirs.

Sensil® WaterCare offers a water-conscious, considerate choice to conserve water and energy and create products that are as richly beautiful as they are responsible.

# SUSTAINABLE SENSIL® WATERCARE

## TECHNOLOGY

Sensil® WaterCare is spun-dyed. The pigment is embedded in the yarn as it is produced resulting in exquisite color depth and luster that won't wash out, even at high temperatures. Environmental pigments such as charcoal and coffee bean shells offer sustainable coloration that reflects the natural world. In the spun-dyeing process, also known as solution- or dope-dyeing, color is added at the extrusion stage before the fiber is even created, eliminating the need to dye farther downstream in the process. This durable water-saving technology is not an option for natural fibers. Sensil® WaterCare is made at NILIT's state-of-the-art, resource optimized plants and offers the genuine package of aesthetics, touch, quality, and environmental responsibility.

## YARNS

Sensil® WaterCare is available in Black & White Mélange, Deep Black and Grey / Brown. Additional and custom colors can be developed for specific programs. The following products are available:

Sensil® WaterCare		
Deep Black	Flat	40/34/1
Deep Black	Flat/ Textured	22/10/1
Deep Black	Textured	44/34 1-2
Deep Black	Textured	78/46/1-2
Deep Black	Textured	78/68/1-2
Grey/Brown	Textured	44/34/1-2
Grey/Brown	Textured	78/68/1-2
B&W Mélange light	Air Jet Textured	100/68 dtex
B&W Mélange dark	Air Jet Textured	100/68 dtex
B&W Mélange light	Air Jet Textured	160/102 dtex
B&W Mélange dark	Air Jet Textured	160 /102 dtex

White, Green, Red, Blue, Yellow - available upon request

## APPLICATIONS

SPORTSWEAR	BASE LAYER
LEGWEAR	PERFORMANCE FABRICS
ATHLEISURE	HOSIERY
INTIMATES	JEANSWEAR

\*NILIT TPS standards available upon request.

Copyright ©2020 NILIT. All rights reserved. Sensil® is a registered trademark of NILIT

## BENEFITS

Sensil® WaterCare premium Nylon addresses some of the apparel industry's biggest environmental transgressions, specifically the use of water, chemicals, and energy and the pollution associated with dyeing. These benefits are especially important in the many apparel producing regions of the world where water is scarce. Products using Sensil® WaterCare premium Nylon are high quality and durable with incredibly long-lasting colors. They are excellent investments for people who want sustainable products that become favorites. As concerns about water availability and water pollution continue to grow, mills, brands, and retailers who choose Sensil® WaterCare premium Nylon demonstrate respect for the world's most vital natural resource.

## WATER AND ENERGY SAVINGS

By eliminating the wet dyeing process, Sensil® WaterCare premium Nylon immediately and significantly reduces processing costs and resource consumption:

- Saves 100% of the water used in dyeing, up to 24,000 liters of water per ton of fabric.
- Reduces energy use (about 80% of the steam used for dyeing)
- Cuts down hazardous chemical use in the dyeing and water treatment processes
- Reductions in CO2 emissions from coloring process

## MORE PRODUCTIVITY

- Up to 3% fewer rejections/product declassifications (less testing and sampling).
- Time savings: shortens the production cycle by 7 hours on average

Validated by NILIT Total Product Sustainability\*



#SENSILSAVESWATER

www.SENSIL.com @SensilNylon